# 10/510391

# Res'd PST/PTO U 7 OCT 2004

### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



### 

(43) International Publication Date 24 February 2005 (24.02.2005)

**PCT** 

## (10) International Publication Number WO 2005/017768 A1

(51) International Patent Classification<sup>7</sup>: G06K 9/00

G06F 17/30,

(21) International Application Number:

PCT/AU2004/001087

(22) International Filing Date: 16 August 2004 (16.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003904350 2003904351

15 August 2003 (15.08.2003) AU 15 August 2003 (15.08.2003) AU

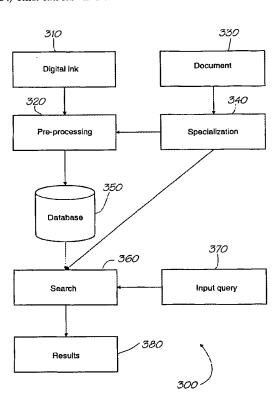
- (71) Applicant (for all designated States except US): SILVER-BROOK RESEARCH PTY LTD [AU/AU]; 393 Darling Street, Balmain, New South Wales 2041 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): NAPPER, Jonathon

Leigh [AU/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU). LAPSTUN, Paul [NO/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU). SILVERBROOK, Kia [AU/AU]; Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, New South Wales 2041 (AU).

- (74) Agent: NEWS, Leonie: Silverbrook Research Pty Ltd, 393 Darling Street, Balmain, NSW 2041 (AU).
- (81) Designated States (unless otherwise indicated. for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

[Continued on next page]

(54) Title: IMPROVING ACCURACY IN SEARCHING DIGITAL INK



(57) Abstract: A method and system for improving the accuracy of digital ink (310) searches is disclosed. The method includes receiving a search input query (370) from a user via a user terminal and determining a specialized format of digital ink, by a variety of means, then, based on the determined specialized format of digital ink, a digital ink searching algorithm is selected. A search (380) of a digital ink database (350) can then be performed for a match to the search input query (370) by utilising the digital ink searching algorithm, which is selected from a variety of algorithms so as to improve the accuracy of the search.

### WO 2005/017768 A1



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  $_{\mathrm{ZW}}$ 

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.